



*Consulting Engineers
and Scientists*

PASTOR, BEHLING & WHEELER, LLC
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August 11, 2006
(PBW Project No. 1259)

VIA ELECTRONIC MAIL

Mr. Gary Miller
Superfund Division, Region 6 (6SF-AP)
Arkansas/Texas Section
U.S. Environmental Protection Agency
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Re: July 2006 Monthly Status Report, Gulfco Marine Maintenance Site, Freeport, Texas

Dear Mr. Miller:

Pursuant to Section XII, Paragraph 53 of the modified Unilateral Administrative Order (UAO) for the above-referenced Site, Pastor, Behling & Wheeler, LLC (PBW) has prepared this monthly status report on behalf of LDL Coastal Limited LP (LDL), Chromalloy American Corporation (Chromalloy) and The Dow Chemical Company (Dow) (collectively referred to as Respondents in the UAO and the Statement of Work (SOW) attached thereto). As discussed in our telephone conversation on August 2, 2005, monthly status reports for a given month will be submitted by the 15th of the following month as required in Paragraph 53 of the UAO, rather than by the 10th of the following month as indicated in Appendix 1 of the UAO. In accordance with the UAO requirements this report addresses the topics listed below:

1. Actions which have been taken toward achieving compliance with the UAO during the previous month – The following actions were taken during the previous month:
 - RI/FS site characterization activities (SOW Paragraphs 34 through 36) detailed under Task 6 of the RI/FS Work Plan including:
 - Subtask 6.1 - Four soil borings were advanced in the former surface impoundment cap and one soil sample was collected from each of the four soil borings for geotechnical testing.
 - Subtask 6.2 - Surface geophysical data collected in June were evaluated for potential anomalies and indications of subsurface pipelines.
 - Subtask 6.3 - Soil samples were collected from the 0 to 0.5 foot and 1 to 2 foot depth intervals at 99 on-site soil boring locations and submitted to the laboratory for chemical analysis.
 - Subtask 6.4 - A preliminary records search of Texas Water Development Board (TWDB) and Texas Commission on Environmental Quality (TCEQ) records for registered water wells within ½-mile radius of the Site boundary was performed. A field water well survey was also performed.


- Subtask 6.5 - Soil borings were advanced and permanent monitoring well installed in the uppermost water-bearing unit at 16 of the 17 proposed on-site locations (the remaining monitoring well will be installed in August).
 - Subtask 6.6 - Hexavalent chromium analysis of surface water samples collected during June from the Intracoastal Waterway were completed (analyses of these samples for other parameters are ongoing). Surface water samples were collected from the three locations at each of the two on-site pond areas north of Marlin Avenue. Due to a shipping error by the overnight courier service, these samples (except for the samples collected for hexavalent chromium analyses and a field duplicate sample) were received at the laboratory at an unacceptable temperature. Based on this sample condition, the affected samples were not retained and resampling has been scheduled to be performed during the first week of August.
 - Subtask 6.7 - Sediment samples were collected from the 0 to 0.5 foot depth interval from a total of eight locations at the two on-site pond areas north of Marlin Avenue. Again, due to a shipping error by the overnight courier service, these samples were received at the laboratory at an unacceptable temperature and resampling has been scheduled to be performed during the first week of August. Sediment samples were also collected from the 0 to 0.5 foot depth interval from 17 locations within the wetlands areas north of Marlin Avenue and submitted to the laboratory for chemical analysis.
2. Results of sampling, tests, modeling and all other data (including raw data) received or generated by or on behalf of Respondents during the previous month – The following data were received or generated during the previous month:
- Laboratory reports for the hexavalent chromium analyses of surface water samples collected from the Intracoastal Waterway are included as Attachment A. Gulf Coast Analytical Laboratories, Inc. (GCAL) Report No. 206062809 represents samples collected from the background area and GCAL Report No. 206062910 represents samples collected adjacent to the Site.
 - Field measurements collected during surface water sampling in the two on-site ponds are included as Attachment B.
3. Actions, data and plans which are scheduled for the next two months and other information relating to the progress of work – The following actions are planned for the next two months:
- RI/FS site characterization activities (SOW Paragraphs 34 through 36) detailed under Task 6 of the RI/FS Work Plan (weather permitting) including:
 - Subtask 6.1 – Former surface impoundment cap evaluation – to be continued through geotechnical testing of soil samples and field inspection of the former surface impoundment cap;
 - Subtask 6.3 – Soil investigation – to be continued through collection of surface soil samples (0 to 1 inch depth interval) from Lot 21 at the Site, soil samples analyses, and analytical data validation;
 - Subtask 6.5 – Groundwater/NAPL investigation – to be continued through soil boring drilling, monitoring well construction, temporary piezometer

- installation, well development, staff gauge installation, groundwater sampling, groundwater sample analyses, and analytical data validation;
 - o Subtask 6.6 – Surface water investigation – to be continued through on-site ponds sampling, samples analyses, analytical data validation, and data evaluation; and
 - o Subtask 6.7 – Sediment investigation – to be continued through on-site ponds and wetland areas sampling, samples analyses, analytical data validation, and data evaluation.
4. Information regarding percentage of completion, all delays encountered or anticipated that may affect the future schedule for completion of the work required, and efforts made to mitigate those delays or anticipated delays – RI/FS activities are approximately 5% complete. At this time, no delays in the schedule for completion of the RI/FS, as provided in the RI/FS Work Plan, are anticipated.

Thank you for the opportunity to submit this status report. Should you have any questions, do not hesitate to contact me.

Sincerely,

PASTOR, BEHLING & WHEELER, LLC



Eric F. Pastor, P.E.
Principal Engineer

cc: Mr. Brent Murray - Sequa Corporation
Mr. Rob Rouse - The Dow Chemical Company
Mr. Allen Daniels - LDL Coastal Limited, LP
Mr. F. William Mahley - Strasburger & Price, LLP
Mr. James C. Morris III - Thompson & Knight, LLP
Ms. Elizabeth Webb - Thompson & Knight, LLP

ATTACHMENT A
LABORATORY REPORTS

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 06/30/2006

GCAL Report 206062809



Deliver To Pastor, Behling, & Wheeler
2201 Double Creek Dr
Suite 4004
Round Rock, TX 78664
512-671-3434

Attn Eric Matzner

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Sit

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206062809

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

No anomalies were found for the analyzed sample(s).

000002

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.



CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206062809

THIS REPORT CONTAINS 20 PAGES.

000003

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606280901	IWSW30-030	Water	06/27/2006 13:05	06/28/2006 09:45
20606280902	IWSW31-031	Water	06/27/2006 14:00	06/28/2006 09:45
20606280903	IWSW31-031 MS	Water	06/27/2006 14:00	06/28/2006 09:45
20606280904	IWSW31-031 MSD	Water	06/27/2006 14:00	06/28/2006 09:45
20606280905	IWSW31-045	Water	06/27/2006 14:30	06/28/2006 09:45
20606280906	IWSW32-032	Water	06/27/2006 15:20	06/28/2006 09:45
20606280907	IWSW33-033	Water	06/27/2006 16:10	06/28/2006 09:45
20606280908	IW-050-EB	Water	06/27/2006 15:55	06/28/2006 09:45

GCAL Report 206062809

000004

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606280901	IWSW30-030	Water	06/27/2006 13:05	06/28/2006 09:45

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/28/2006 12:01	RLY	326700

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.010U	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606280902	IWSW31-031	Water	06/27/2006 14:00	06/28/2006 09:45

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/28/2006 12:02	RLY	326700
CAS#	Parameter		Result	RDL	MDL	Units
18540-29-9	Chromium VI		0.010U	0.010	0.010	mg/L

GCAL Report 206062809

000006

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606280903	IWSW31-031 MS	Water	06/27/2006 14:00	06/28/2006 09:45

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/28/2006 12:03	RLY	326700
CAS#	Parameter		Result	RDL	MDL	Units
18540-29-9	Chromium VI		0.509	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606280904	IWSW31-031 MSD	Water	06/27/2006 14:00	06/28/2006 09:45

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/28/2006 12:04	RLY	326700

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.498	0.010	0.010	mg/L

GCAL Report 206062809

000008

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606280905	IWSW31-045	Water	06/27/2006 14:30	06/28/2006 09:45

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/28/2006 12:05	RLY	326700
CAS#	Parameter		Result	RDL	MDL	Units
18540-29-9	Chromium VI		0.010U	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606280906	IWSW32-032	Water	06/27/2006 15:20	06/28/2006 09:45

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/28/2006 12:06	RLY	326700

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.010U	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606280907	IWSW33-033	Water	06/27/2006 16:10	06/28/2006 09:45

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/28/2006 12:06	RLY	326700

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.011	0.010	0.010	mg/L

GCAL Report 206062809

000011

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606280908	IW-050-EB	Water	06/27/2006 15:55	06/28/2006 09:45

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/28/2006 12:07	RLY	326700

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.010U	0.010	0.010	mg/L

General Chemistry Quality Control Summary

Analytical Batch 326700 Prep Batch N/A	Client ID	MB326700	LCS326700				
	GCAL ID	384741	384742				
	Sample Type	Method Blank	LCS				
	Analytical Date	06/28/2006 11:59	06/28/2006 12:00				
	Matrix	Water	Water				
7196A Water Hex Chromium		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R
18540-29-9	Chromium VI	0.010U	0.010	0.500	0.454	91	80 - 120

Analytical Batch 326700 Prep Batch N/A	Client ID	IWSW31-031	IWSW31-031 MS		IWSW31-031 MSD						
	GCAL ID	20606280902	20606280903		20606280904						
	Sample Type	SAMPLE	MS		MSD						
	Analytical Date	06/28/2006 12:02	06/28/2006 12:03		06/28/2006 12:04						
	Matrix	Water	Water		Water						
7196A Water Hex Chromium		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
18540-29-9	Chromium VI	0.000	0.010	0.500	0.509	102	75 - 125	0.498	100	2	25

000013

GCAL Report 206062809

HACH STANDARD IDS

Analyst: RLV
Date: 6/28/06
HBN # 326700
Batch # 4145

SULFIDE 376.2
CCV Lot # _____
CCV Expiration Date _____
ICV/LCS Lot # _____
ICV Expiration Date _____
Sulfide Reagent 1 Lot # _____
Sulfide Reagent 2 Lot # _____
Calibration Date _____
Calibration Expiration Date _____

HEXALENT CHROMIUM 7196A/3500
CCV Lot # A5189
CCV Expiration Date 7/07
ICV/LCS Lot # 6012025
ICV Expiration Date 1/07
Powder Pillow Lot # A5199
Calibration Date 4/9/06
Calibration Expiration Date 4/9/07

SULFATE 375.4/9038
CCV Lot # _____
CCV Expiration Date _____
ICV/LCS Lot # _____
ICV Expiration Date _____
Powder Pillow Lot # _____
Conditioning Reagent Lot # _____
Barium Chloride Lot # _____
Calibration Date _____
Calibration Expiration Date _____

ORTHOPHOSPHATE 365.2
CCV Lot # _____
CCV Expiration Date _____
ICV/LCS Lot # _____
ICV Expiration Date _____
Powder Pillow Lot # _____
Calibration Date _____
Calibration Expiration Date _____

FLUORIDE 340.1
CCV Lot # _____
CCV Expiration Date _____
ICV/LCS Lot # _____
ICV Expiration Date _____
SPADS Lot # _____
Calibration Date _____
Calibration Expiration Date _____

CHLORINE (Total Residual/Free) 4500-CL G/4500-CL D
CCV Lot # _____
CCV Expiration Date _____
ICV/LCS Lot # _____
ICV Expiration Date _____
Powder Pillow Lot # _____
Calibration Date _____
Calibration Expiration Date _____

COD HACH 8000
CCV Lot # _____
CCV Expiration Date _____
ICV/LCS Lot # _____
ICV Expiration Date _____
COD Vials Lot # _____
Calibration Date _____
Calibration Expiration Date _____

FERROUS IRON 3500-Fe D
CCV Lot # _____
CCV Expiration Date _____
ICV/LCS Lot # _____
ICV Expiration Date _____
Ferrous Ammonia Acetate Lot # _____
Phenanthroline Lot # _____
Calibration Date _____
Calibration Expiration Date _____

Reviewed By: bmc 6/29/06

000014

DATE	TIME	GROUP SAMPLE	VALUE UNITS	DIL	X	PROGRAM	OPERATOR	INSTRUMENT
6/28/2006	11:58:00 AM	4145 CCV	0.505 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	11:59:00 AM	4145 CCB	0 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	11:59:00 AM	4145 384741 MB	0.001 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:00:00 PM	4145 384742 LCS	0.454 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:01:00 PM	4145 20606280901	0.003 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:02:00 PM	4145 20606280902	0 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:03:00 PM	4145 20606280903 MS	0.509 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:04:00 PM	4145 20606280904 MS	0.498 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:05:00 PM	4145 20606280905	-0.007 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:06:00 PM	4145 20606280906	0.004 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:06:00 PM	4145 20606280907	0.011 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:07:00 PM	4145 20606280908	-0.002 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:08:00 PM	4145 CCV	0.513 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/28/2006	12:08:00 PM	4145 CCB	-0.004 mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40

101%

91%

102%

100%

103%

000015

HACH STANDARD IDS

Analyst: HWO
 Date: 4/9/06
 HBN # NA
 Batch # ✓

SULFIDE 376.2
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Sulfide Reagent 1 Lot # _____
 Sulfide Reagent 2 Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

HEXALENT CHROMIUM ✓ 7196A/3500
 CCV Lot # A5189
 CCV Expiration Date 7/2007
 ICV/LCS Lot # 6012025
 ICV Expiration Date 01/30/07
 Powder Pillow Lot # A5199
 Calibration Date 4/9/06
 Calibration Expiration Date 4/9/07

SULFATE 375.4/9038
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Powder Pillow Lot # _____
 Conditioning Reagent Lot # _____
 Barium Chloride Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

ORTHOPHOSPHATE 365.2
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Powder Pillow Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

FLUORIDE 340.1
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 SPADS Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

CHLORINE (Total Residual/Free) 4500-CL G/4500-CL D
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Powder Pillow Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

COD HACH 8000
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 COD Vials Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

FERROUS IRON 3500-Fe D
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Ferrous Ammonia Acetate Lot # _____
 Phenanthroline Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

Reviewed By: Jm C 4/9/06

000016

DR/4000V S/N: 0304V0002021 2.40
09-APR-06 08:23:56 USER PROGRAM 136

Parameter	Setting
Name:	CROM HEX
Format:	XX.XXX
Units:	mg/L
Chemical form:	OFF
Lower limit:	OFF
Upper limit:	1.000 mg/L
Wavelength:	540.0 nm
Calib. table:	
0.0000 mg/L	0.026 ABS
0.0100 mg/L	0.041 ABS
0.0500 mg/L	0.121 ABS
0.1000 mg/L	0.212 ABS
0.5000 mg/L	0.957 ABS
1.0000 mg/L	1.905 ABS
Curve fit:	C=a+bA
a:	-0.0128
b:	0.5325
r2=1.000	
Chemical form 2:	OFF
Chemical form 3:	OFF
Chemical form 4:	OFF
Timer 1:	Wait 05:00
Timer 2:	OFF
Timer 3:	OFF
Timer 4:	OFF

000017

DATE	TIME	GROUP	SAMPLE	VALUE	UNITS	DIL	X	PROGRAM	OPERATOR	INSTRUMENT	NOTES
4/9/2006	9:04:00 AM	0	CCV	0.508	mg/L	1		136	HLO	DR/4000V S/N: 0304V0002021	2.40
4/9/2006	9:05:00 AM	0	0.01 L.L	0.007	mg/L	1		136	HLO	DR/4000V S/N: 0304V0002021	2.40
4/9/2006	9:13:00 AM	0	ICV	0.497	mg/L	1		136	HLO	DR/4000V S/N: 0304V0002021	2.40
4/9/2006	9:15:00 AM	0	ICB	-0.008	mg/L	1		136	HLO	DR/4000V S/N: 0304V0002021	2.40

000018



GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name Pasdo, Bedding & Wrecks

Client # 41902

Workorder # 206062009

Due Date 7-5-06

Report to:					Bill to:					Analytical Requests & Method										Lab use only:	
Client: <u>PRBW</u>					Client:					<div>Hex. Chromium</div>										Custody Seal	
Address:					Address:															used <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
Contact: <u>Eric Matzner</u>					Contact:															in tact <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
Phone: <u>512-671-3434</u>					Phone:															Temperature °C <u>2</u>	
Fax: <u>512 671 3446</u>					Fax:																
P.O. Number					Project Name/Number																
					<u>Gulfcomarine Maintenance Superfund</u>																
Sampled By:																					
<u>Katy Garcia, Benchmark Ecological Services, Inc.</u>																					
Matrix	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers											Remarks:	Lab ID		
W	6-27-06	13:05	X		1WSW30-030	4°C	1	X												1	
		14:00	X		1WSW31-031		1	X												2	
		14:00	X		1WSW31-631-MS/MSD		2	X												3 4	
		14:30	X		1WSW31-045		1	X												5	
		15:20	X		1WSW32-032		1	X												6	
		16:10	X		1WSW33-033		1	X												7	
		15:55			1W-050-EB		1	X												8	
Turn Around Time: <input type="checkbox"/> 24-48 hrs. <input type="checkbox"/> 3 days <input type="checkbox"/> 1 week <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other																					
Relinquished by: (Signature) <u>[Signature]</u>					Received by: (Signature) <u>[Signature]</u>					Date: <u>6-27-06</u> Time: <u>1700</u>					Note: <u>ICWW Water Samples</u>						
Relinquished by: (Signature) <u>[Signature]</u>					Received by: (Signature) <u>[Signature]</u>					Date: <u>6-28-06</u> Time: <u>945</u>											
Relinquished by: (Signature)					Received by: (Signature)					Date: Time:											
By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.																					

Matrix: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

004564

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO: 206062809
 Desc:
 Work ID: Gulfco Masrine Maintenance Sit
 Project Seq: 44132
 Client: 4482 - Pastor, Behling, & Wheeler
 Profile: 78418 - GULFCO - Gulfco Masrine
 Maintenance Site

Type: D
 Report: REVIEW_RPT
 Status: WP
 Created: 6/28/2006 10:08
 QA:
 PO: Project 1259

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE			VOA HEADSPACE			CONTAINER CONDITION
			A	U	N/A	A	U	N/A	
20606280901-1	OC	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OK
Container ID	Type	Preservative	A	U	N/A	A	U	N/A	CONTAINER CONDITION
20606280902-1	OC	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OK
Container ID	Type	Preservative	A	U	N/A	A	U	N/A	CONTAINER CONDITION
20606280903-1	OC	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OK
Container ID	Type	Preservative	A	U	N/A	A	U	N/A	CONTAINER CONDITION
20606280904-1	OC	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OK
Container ID	Type	Preservative	A	U	N/A	A	U	N/A	CONTAINER CONDITION
20606280905-1	OC	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OK
Container ID	Type	Preservative	A	U	N/A	A	U	N/A	CONTAINER CONDITION
20606280906-1	OC	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OK
Container ID	Type	Preservative	A	U	N/A	A	U	N/A	CONTAINER CONDITION
20606280907-1	OC	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OK
Container ID	Type	Preservative	A	U	N/A	A	U	N/A	CONTAINER CONDITION
20606280908-1	OC	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OK

A = ACCEPTABLE
 U = UNACCEPTABLE
 N/A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U
 MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

LIMIT = 4C + \ - 2C

Custody Seal
 used ☒ Yes ☒ No
 in tact ☒ Yes ☒ No

LABEL(S)
 VERIFIED RBG

CUSTODIAN M

[Signature]



ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 07/07/2006

GCAL Report 206062910



Deliver To Pastor, Behling, & Wheeler
2201 Double Creek Dr
Suite 4004
Round Rock, TX 78664
512-671-3434

Attn Eric Matzner

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Sit

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206062910

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

No anomalies were found for the analyzed sample(s).

000002

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.



CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206062910

THIS REPORT CONTAINS 20 PAGES.

000003

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606291001	IWSW17-017	Water	06/28/2006 13:40	06/29/2006 10:35
20606291002	IWSW18-018	Water	06/28/2006 14:45	06/29/2006 10:35
20606291003	IWSW18-018 MS	Water	06/28/2006 14:45	06/29/2006 10:35
20606291004	IWSW18-018 MSD	Water	06/28/2006 14:45	06/29/2006 10:35
20606291005	IWSW18-035	Water	06/28/2006 15:00	06/29/2006 10:35
20606291006	IWSW19-019	Water	06/28/2006 15:35	06/29/2006 10:35
20606291007	IWSW20-020	Water	06/28/2006 16:10	06/29/2006 10:35
20606291008	IW-040-EB	Water	06/28/2006 15:25	06/29/2006 10:35

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606291001	IWSW17-017	Water	06/28/2006 13:40	06/29/2006 10:35

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/29/2006 11:52	RLY	326803
CAS#	Parameter		Result	RDL	MDL	Units
18540-29-9	Chromium VI		0.010U	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606291002	IWSW18-018	Water	06/28/2006 14:45	06/29/2006 10:35

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/29/2006 11:52	RLY	326803
CAS#	Parameter		Result	RDL	MDL	Units
18540-29-9	Chromium VI		0.010U	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606291003	IWSW18-018 MS	Water	06/28/2006 14:45	06/29/2006 10:35

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/29/2006 11:53	RLY	326803
CAS#	Parameter		Result	RDL	MDL	Units
18540-29-9	Chromium VI		0.502	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606291004	IWSW18-018 MSD	Water	06/28/2006 14:45	06/29/2006 10:35

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/29/2006 11:53	RLY	326803
CAS#	Parameter		Result	RDL	MDL	Units
18540-29-9	Chromium VI		0.493	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606291005	IWSW18-035	Water	06/28/2006 15:00	06/29/2006 10:35

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/29/2006 11:54	RLY	326803

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.010U	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606291006	IWSW19-019	Water	06/28/2006 15:35	06/29/2006 10:35

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/29/2006 11:55	RLY	326803
CAS#	Parameter		Result	RDL	MDL	Units
18540-29-9	Chromium VI		0.010U	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606291007	IWSW20-020	Water	06/28/2006 16:10	06/29/2006 10:35

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/29/2006 11:55	RLY	326803

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.010U	0.010	0.010	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606291008	IW-040-EB	Water	06/28/2006 15:25	06/29/2006 10:35

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	06/29/2006 11:57	RLY	326803
CAS#	Parameter		Result	RDL	MDL	Units
18540-29-9	Chromium VI		0.010U	0.010	0.010	mg/L

General Chemistry Quality Control Summary

Analytical Batch 326803 Prep Batch N/A	Client ID	MB326803			LCS326803		
	GCAL ID	385322			385323		
	Sample Type	Method Blank			LCS		
	Analytical Date	06/29/2006 11:50			06/29/2006 11:51		
	Matrix	Water			Water		
7196A Water Hex Chromium		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R
18540-29-9 Chromium VI		0.010U	0.010	0.500	0.477	95	80 - 120

Analytical Batch 326803 Prep Batch N/A	Client ID GCAL ID Sample Type Analytical Date Matrix	IWSW18-018			IWSW18-018 MS			IWSW18-018 MSD			
		20606291002			20606291003			20606291004			
		SAMPLE			MS			MSD			
		06/29/2006 11:52			06/29/2006 11:53			06/29/2006 11:53			
		Water			Water			Water			
7196A Water Hex Chromium		Units	mg/L	Spike	Result	% R	Control	Result	% R	RPD	RPD
		Result	RDL	Added			Limits % R				Limit
18540-29-9	Chromium VI	0.000	0.010	0.500	0.502	100	75 - 125	0.493	99	2	25

Analytical Batch 326803 Prep Batch N/A	Client ID	IWSW19-019	385300DUP			
	GCAL ID	20606291006	385328			
	Sample Type	SAMPLE	DUP			
	Analytical Date	06/29/2006 11:55	06/29/2006 11:55			
	Matrix	Water	Water			
7196A Water Hex Chromium		Units	mg/L	Result	RPD	RPD
		Result	RDL			Limit
18540-29-9	Chromium VI	0.000	0.010	0.000	0	25

HACH STANDARD IDS

Analyst: RN
 Date: 6/29/06
 HBN # 326803
 Batch # 4148

SULFIDE 376.2
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Sulfide Reagent 1 Lot # _____
 Sulfide Reagent 2 Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

HEXALENT CHROMIUM 7196A/3500
 CCV Lot # A5189
 CCV Expiration Date 7/07
 ICV/LCS Lot # 6012025
 ICV Expiration Date 1/07
 Powder Pillow Lot # A5199
 Calibration Date 4/9/06
 Calibration Expiration Date 4/9/07

SULFATE 375.4/9038
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Powder Pillow Lot # _____
 Conditioning Reagent Lot # _____
 Barium Chloride Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

ORTHOPHOSPHATE 365.2
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Powder Pillow Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

FLUORIDE 340.1
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 SPADS Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

CHLORINE (Total Residual/Free) 4500-CL G/4500-CL D
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Powder Pillow Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

COD HACH 8000
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 COD Vials Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

FERROUS IRON 3500-Fe D
 CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Ferrous Ammonia Acetate Lot # _____
 Phenanthroline Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

Reviewed By: Bmc 6/29/06

000014

000015

DATE	TIME	GROUP	SAMPLE	VALUE	UNITS	DIL	X	PROGRAM	OPERATOR	INSTRUMENT
6/29/2006	11:49:00 AM	4148	CCV	0.504	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40 101%
6/29/2006	11:50:00 AM	4148	CCB	0.001	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:50:00 AM	4148	<i>MB</i> 385322	0	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:51:00 AM	4148	<i>LCS</i> 385323	0.477	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40 95%
6/29/2006	11:52:00 AM	4148	20606291001	0.001	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:52:00 AM	4148	20606291002	-0.006	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:53:00 AM	4148	20606291003	0.502	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40 100%
6/29/2006	11:53:00 AM	4148	20606291004	0.493	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40 99%
6/29/2006	11:54:00 AM	4148	20606291005	-0.002	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:55:00 AM	4148	20606291006	-0.001	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:55:00 AM	4148	<i>Dup</i> 385328	-0.005	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:55:00 AM	4148	20606291007	-0.005	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:56:00 AM	4148	CCV	0.501	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40 100%
6/29/2006	11:56:00 AM	4148	CCB	0	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:57:00 AM	4148	20606291008	-0.004	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40
6/29/2006	11:58:00 AM	4148	CCV	0.48	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40 96%
6/29/2006	11:58:00 AM	4148	CCB	0	mg/L	1		136	RLY	DR/4000V S/N: 0304V0002021 2.40

HACH STANDARD IDS

Analyst: KW
 Date: 4/9/06
 HBN # NA
 Batch # ✓

SULFIDE 376.2

CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Sulfide Reagent 1 Lot # _____
 Sulfide Reagent 2 Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

HEXALENT CHROMIUM ✓ 7196A/3500

CCV Lot # A5189
 CCV Expiration Date 7/2007
 ICV/LCS Lot # 6012025
 ICV Expiration Date 01/30/07
 Powder Pillow Lot # A5199
 Calibration Date 4/9/06
 Calibration Expiration Date 4/9/07

SULFATE 375.4/9038

CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Powder Pillow Lot # _____
 Conditioning Reagent Lot # _____
 Barium Chloride Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

ORTHOPHOSPHATE 365.2

CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Powder Pillow Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

FLUORIDE 340.1

CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 SPADS Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

CHLORINE (Total Residual/Free) 4500-CL G/4500-CL D

CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Powder Pillow Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

COD HACH 8000

CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 COD Vials Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

FERROUS IRON 3500-Fe D

CCV Lot # _____
 CCV Expiration Date _____
 ICV/LCS Lot # _____
 ICV Expiration Date _____
 Ferrous Ammonia Acetate Lot # _____
 Phenanthroline Lot # _____
 Calibration Date _____
 Calibration Expiration Date _____

Reviewed By: Bmc 4/9/06

000016

DR/4000V S/N: 0304V0002021 2.40
09-APR-06 08:23:56 USER PROGRAM 136

Parameter	Setting
Name:	CROM HEX
Format:	XX.XXX
Units:	mg/L
Chemical form:	OFF
Lower limit:	OFF
Upper limit:	1.000 mg/L
Wavelength:	540.0 nm
Calib. table:	
0.0000 mg/L	0.026 ABS
0.0100 mg/L	0.041 ABS
0.0500 mg/L	0.121 ABS
0.1000 mg/L	0.212 ABS
0.5000 mg/L	0.957 ABS
1.0000 mg/L	1.905 ABS
Curve fit:	C=a+bA
a:	-0.0128
b:	0.5325
r2=1.000	
Chemical form 2:	OFF
Chemical form 3:	OFF
Chemical form 4:	OFF
Timer 1:	Wait 05:00
Timer 2:	OFF
Timer 3:	OFF
Timer 4:	OFF

000017

DATE	TIME	GROUP	SAMPLE	VALUE	UNITS	DIL	X	PROGRAM	OPERATOR	INSTRUMENT	NOTES
4/9/2006	9:04:00 AM	0	CCV	0.508	mg/L	1		136	HLO	DR/4000V S/N: 0304V0002021	2.40
4/9/2006	9:05:00 AM	0	0.01 L.L	0.007	mg/L	1		136	HLO	DR/4000V S/N: 0304V0002021	2.40
4/9/2006	9:13:00 AM	0	ICV	0.497	mg/L	1		136	HLO	DR/4000V S/N: 0304V0002021	2.40
4/9/2006	9:15:00 AM	0	ICB	-0.008	mg/L	1		136	HLO	DR/4000V S/N: 0304V0002021	2.40

000018



GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name

Client #

Workorder #

Due Date

Report to:

Client:

PBW

Address:

Contact:

Eric Matzner

Phone:

512-671-3434

Fax:

512-671-3446

Bill to:

Client:

Address:

Contact:

Phone:

Fax:

Analytical Requests & Method

Lab use only:

Custody Seal

used ☒ yes ☐ no

in tact ☒ yes ☐ no

Temperature °C 2

P.O. Number

Project Name/Number

Gulfco Marine Maintenance Superfund

Sampled By:

Katy Garcia Benchmark Ecological Services

Matrix ¹	Date	Time (2400)	C o m p	G r a b	Sample Description	Preservatives	No Con-tainers	Lab ID
W	6/23/06	13:40	X		1WSW 17-017	4°C	1	X
W		14:45	X		1WSW 18-018		1	X
		14:45	X		1WSW 18-018 - MS/MSD		2	X
		15:00	X		1WSW 18-035		1	X
		15:35	X		1WSW 19-019		1	X
		16:10	X		1WSW 20-020		1	X
		16:25	X		1W-040-EB		1	X
					1W-041-EB			
					1W-041-EB			

Remarks:

MS/MSD

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)

6-28-06

Received by: (Signature)

Date:

Time:

Note:

Relinquished by: (Signature)

6-28-06

Received by: (Signature)

Date:

Time:

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix¹: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

004584

GCAL-06 11-98

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

000019

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO: 206062910
 Desc:
 Work ID: Gulfco Masrine Maintenance Sit
 Project Seq: 44208
 Client: 4482 - Pastor, Behling, & Wheeler
 Profile: 78418 - GULFCO - Gulfco Masrine
 Maintenance Site

Type: D
 Report: REVIEW_RPT
 Status: WP
 Created: 6/29/2006 10:46
 QA:
 PO: Project 1259

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE			VOA HEADSPACE			CONTAINER CONDITION
			A	U	N/A	A	U	N/A	
20606291001-1	OC	NONE			X			X	OK
20606291002-1	OC	NONE			X			X	OK
20606291003-1	OC	NONE			X			X	OK
20606291004-1	OC	NONE			X			X	OK
20606291005-1	OC	NONE			X			X	OK
20606291006-1	OC	NONE			X			X	OK
20606291007-1	OC	NONE			X			X	OK
20606291008-1	OC	NONE			X			X	OK

A = ACCEPTABLE
 U = UNACCEPTABLE
 N/A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U
 MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

LIMIT = 4C + 1 - 2C

LABEL(S)
 VERIFIED RBG

CUSTODIAN

Custody Seal
 used ☒ Yes ☐ No
 in tact ☒ Yes ☐ No

ATTACHMENT B
SURFACE WATER SAMPLING
FIELD MEASUREMENTS

Surface Water Field Parameters (7/13/06)

<i>Sample ID</i>	<i>Collection Date</i>	<i>Collection Time</i>	<i>Depth (feet)</i>	<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Notes</i>
FWPSW01-001	7/13/06	15:15	4.5	conductivity	41.05	m/s	Duplicated (SW-500) & MS/MSD
FWPSW01-001	7/13/06	15:15	4.5	pH	8.69		Duplicated (SW-500) & MS/MSD
FWPSW01-001	7/13/06	15:15	4.5	temperature	33.3	Celcius	Duplicated (SW-500) & MS/MSD
FWPSW01-001	7/13/06	15:15	4.5	salinity	26.0	ppt	Duplicated (SW-500) & MS/MSD
FWPSW01-001	7/13/06	15:15	4.5	DO	11.18	mg/L	Duplicated (SW-500) & MS/MSD
FWPSW01-001	7/13/06	15:15	4.5	ORP	165.6	mV	Duplicated (SW-500) & MS/MSD
FWPSW01-001	7/13/06	15:15	4.5	turbidity	9.68	NTU	Duplicated (SW-500) & MS/MSD
FWPSW02-002	7/13/06	14:50	4.4	conductivity	41.18	m/s	
FWPSW02-002	7/13/06	14:50	4.4	pH	8.57		
FWPSW02-002	7/13/06	14:50	4.4	temperature	33.2	Celcius	

<i>Sample ID</i>	<i>Collection Date</i>	<i>Collection Time</i>	<i>Depth (feet)</i>	<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Notes</i>
FWPSW02-002	7/13/06	14:50	4.4	salinity	26.2	ppt	
FWPSW02-002	7/13/06	14:50	4.4	DO	6.12	mg/L	
FWPSW02-002	7/13/06	14:50	4.4	ORP	190.9	mV	
FWPSW02-002	7/13/06	14:50	4.4	turbidity	10.05	NTU	
FWPSW03-003	7/13/06	14:30	4.0	conductivity	41.33	m/s	
FWPSW03-003	7/13/06	14:30	4.0	pH	8.66		
FWPSW03-003	7/13/06	14:30	4.0	temperature	33.0	Celcius	
FWPSW03-003	7/13/06	14:30	4.0	salinity	26.3	ppt	
FWPSW03-003	7/13/06	14:30	4.0	DO	9.64	mg/L	
FWPSW03-003	7/13/06	14:30	4.0	ORP	158.9	mV	
FWPSW03-003	7/13/06	14:30	4.0	turbidity	9.81	NTU	

<i>Sample ID</i>	<i>Collection Date</i>	<i>Collection Time</i>	<i>Depth (feet)</i>	<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Notes</i>
SPSW01-001	7/13/06	13:00	0.167	conductivity	13.81	m/s	
SPSW01-001	7/13/06	13:00	0.167	pH	8.24		
SPSW01-001	7/13/06	13:00	0.167	temperature	37.3	Celcius	
SPSW01-001	7/13/06	13:00	0.167	salinity	8	ppt	
SPSW01-001	7/13/06	13:00	0.167	DO	10.79	mg/L	
SPSW01-001	7/13/06	13:00	0.167	ORP	219.9	mV	
SPSW01-001	7/13/06	13:00	0.167	turbidity	44.7	NTU	
SPSW02-002	7/13/06	13:30	0.167	conductivity	14.16	m/s	
SPSW02-002	7/13/06	13:30	0.167	pH	8.2		
SPSW02-002	7/13/06	13:30	0.167	temperature	36.9	Celcius	
SPSW02-002	7/13/06	13:30	0.167	salinity	8.1	ppt	

<i>Sample ID</i>	<i>Collection Date</i>	<i>Collection Time</i>	<i>Depth (feet)</i>	<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Notes</i>
SPSW02-002	7/13/06	13:30	0.167	DO	4.89	mg/L	
SPSW02-002	7/13/06	13:30	0.167	ORP	194.1	mV	
SPSW02-002	7/13/06	13:30	0.167	turbidity	39.45	NTU	
SPSW03-003	7/13/06	13:30	0.167	conductivity	14.78	m/s	Field Blank collected (SP-004-FB)
SPSW03-003	7/13/06	13:30	0.167	pH	7.95		Field Blank collected (SP-004-FB)
SPSW03-003	7/13/06	13:30	0.167	temperature	37.4	Celcius	Field Blank collected (SP-004-FB)
SPSW03-003	7/13/06	13:30	0.167	salinity	8.4	ppt	Field Blank collected (SP-004-FB)
SPSW03-003	7/13/06	13:30	0.167	DO	6.68	mg/L	Field Blank collected (SP-004-FB)
SPSW03-003	7/13/06	13:30	0.167	ORP	188.9	mV	Field Blank collected (SP-004-FB)
SPSW03-003	7/13/06	13:30	0.167	turbidity	37.68	NTU	Field Blank collected (SP-004-FB)